## Amendments to the Claims:

The listing of claims will replace all prior versions, and listings, of claims in the application:

## <u>Listing of Claims</u>:

- 1-60. (Cancelled)
- 61. (Currently Amended) A method for manufacturing a coated circular substrate, comprising
  - (a) providing a circular area with a radius in a sputtering chamber
  - (b) introducing into said sputtering chamber one substrate of said radius or more than one substrate defining in combination an area of said radius;
  - (c) rotating said at least one substrate about a first central axis of said circular area;
  - (d) providing a single magnetron sputtering source with a circular sputtering surface and having a second central axis oblique with respect to and intersecting said first central axis;
  - (e) selecting the diameter of said circular area to be larger than the diameter of said circular sputtering surface;
  - (f) selecting an intersection angle of said first and second central axis to be:

$$43^{\circ} \le \beta \le 50^{\circ}$$
; and

- (g) magnetron sputter coating said at least one substrate by said single magnetron sputtering source.
- 62. (Original) The method of claim 61, further comprising selecting said intersection angle  $\beta$  to be approximately 45°.
- 63. (Original) The method of claim 61, further comprising generating with said single magnetron sputtering source at least one circular erosion ditch in said sputtering surface, said erosion ditch having a circular locus  $r_{Tr}$  wherein said second central axis intersects said at least one substrate at a distance D from said sputter surface, and selecting  $r_{Tr}$  to be

$$1/4 \le r_{Tr} / D \le 2/3$$
.

64. (Original) The method of claim 61, wherein said circular sputtering surface has a diameter  $\Phi_T$  and said second central axis intersects said at least one substrate at a distance D from said sputtering surface, further comprising selecting  $\Phi_T$  to be:

$$3/4 \le \Phi_T / D \le 2$$
.

65. (Currently Amended) The method of claim [[61]]64, further comprising selecting  $\Phi_T$  to be  $\approx 1.2 \ D$ .

66. (Currently Amended) The method of claim 61, wherein said circular area has a diameter  $\Phi_S$ , and said second central axis intersects said at least one substrate at a distance D from said sputtering surface, further comprising selecting  $\Phi_S$  to be:

$$\Phi_{\$}/4 D \le 1.8$$
.  $\Phi_{\$}/4 D \le 1.8$ .

67. (Original) The method of claim 61, wherein said circular area has a diameter  $\Phi_S$ , and said circular sputtering surface has a diameter  $\Phi_T$ , further comprising selecting  $\Phi_T$  to be:

$$1 \le \Phi_{\rm S} / \Phi_{\rm T} \le 2.4$$
.

68. (Original) The method of claim 61, wherein said circular area has a diameter of  $\Phi_s$  selected to be:

$$50 \text{ mm} \le \Phi_S \le 400 \text{ mm}.$$

69. (Original) The method of claim 68, wherein  $\Phi_s$  is selected to be:

$$50 \text{ mm} \le \Phi_S \le 300 \text{ mm}.$$

- 70. (Original) The method of claim 61, wherein said at least one substrate is one of a data storage disc and of a wafer.
- 71. (Original) The method of claim 61, wherein said at least one substrate has a diameter of one of 64 mm, 120 mm, 160 mm, 240 mm.